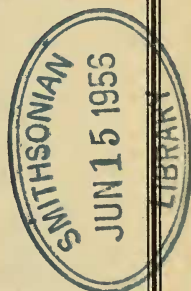


Ref.

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**  
Secretary to the Commission



**VOLUME 1. SECTION C. Part C.21. Pp. 307—328**

## **DIRECTION 32**

Addition to the *Official List of Works Approved as Available for Zoological Nomenclature* of the titles of certain works dealt with in *Opinions* rendered in the period up to the end of 1936 and to the *Official Index of Rejected and Invalid Works in Zoological Nomenclature* of certain works similarly dealt with in the same period and matters incidental thereto

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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

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(*Arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology*)

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Dr. Alden H. Miller (*Museum of Vertebrate Zoology, University of California, California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferdinand Prantl (*Národní Museum v Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm Kühnelt (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. Bodenheimer (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernst Mayr (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico Tortonese (*Museo di Storia Naturale "G. Doria", Genova, Italy*) (16th December 1954)

## DIRECTION 32

ADDITION TO THE "OFFICIAL LIST OF WORKS  
APPROVED AS AVAILABLE FOR ZOOLOGICAL  
NOMENCLATURE" OF THE TITLES OF CERTAIN  
WORKS DEALT WITH IN "OPINIONS"  
RENDERED IN THE PERIOD UP TO THE END  
OF 1936 AND TO THE "OFFICIAL INDEX  
OF REJECTED AND INVALID WORKS  
IN ZOOLOGICAL NOMENCLATURE"  
OF CERTAIN WORKS SIMILARLY  
DEALT WITH IN THE SAME PERIOD  
AND MATTERS INCIDENTAL  
THERE TO

**RULING.**—(1) The titles of the under-mentioned works dealt with in the *Opinions* severally specified below are hereby placed on the *Official List of Works Approved as Available for Zoological Nomenclature* with the Title Numbers specified below:—

- (a) Weber (F.), 1795, *Nomenclator Entomologicus secundum Entomologiam Systematicam ill. Fabricii, adjectis speciebus recens detectis et varietatibus* (*Opinion* 17) (Title No. 17);
- (b) Cuvier (G.L.C.F.D.), [1800]—1805, *Leçons d'Anatomie Comparée . . . Recueillies et publiées sous ses yeux par C. Duméril*, 5 volumes, the entry to be made to bear the endorsement that the Latin names in the systematic tables in volume 1 are to be treated as available names, in so far as they are provided with "indications" for the purposes of Article 25 through the citation of bibliographical references on page xix of the Introduction (*Opinion* 39) (Title No. 18);
- (c) Brehm (C.L.), 1828, "Uebersicht der Deutschen Vogelarten" in *Isis* (Oken) 1828 : 1268—1285, the entry to be made to bear the endorsement that, in so far as any generic name included in this paper is dependent solely upon vernacular names, that name is to be treated as a *nomen nudum* (*Opinion* 48) (Title No. 19);

- (d) Brehm (C.L.), 1830, "Beschluss der Uebersicht der Deutschen Vögel. Fortsetzung von B [rehm] XXI 1268 bis 1285" in *Isis* (Oken 1830 : 985—1013, the entry so made to be endorsed as directed in (c) above (*Opinion* 48) (Title No. 20) ;
- (e) Brehm (C.L.), 1831, *Handbuch der Naturgeschichte aller Vögel Deutschlands* (*Opinion* 48) (Title No. 21) ;
- (f) Westwood (J.O.), 1839—1840, *An Introduction to the modern Classification of Insects*, 2 volumes, the entry to be made to bear the endorsement that in the separately paged "Synopsis" (p. 158) attached to volume 2 the species specified against the names of the genera enumerated are to be treated as having been there definitely selected to be the type species of those genera (*Opinion* 71) (Title No. 22) ;
- (g) Lamarck (J.B.P.A. de M. de), 1801, *Système des Animaux sans Vertèbres*, the entry to be made to bear the endorsement that nothing in this work is to be treated as constituting the designation or selection of type species for the genera discussed therein (*Opinion* 79) (Title No. 23) ;
- (h) Brauer (F.) & Bergenstamm (J.E. von), 1889—1894, "Die Zweiflügler des kaiserlichen Museums zu Wien. IV—VII. Vorarbeiten zu einer Monographie der Muscaria schizometopa (exclusive Anthomyidae)". 4 parts, 494 pp. *Denkschriften der kaiserlichen Akademie der Wissenschaften* volumes 56, 58, 60, 61, the entry to be made to bear the endorsement that in this work Brauer & Bergenstamm are not to be treated as having selected type species for previously established nominal genera, except where they expressly state that a given species is the type species of a particular genus (*Opinion* 98) (Title No. 24) ;

(i) Orbigny (A.D.d'), 1849—1852, *Prodrome de Paléontologie stratigraphique universelle des Animaux Mollusques et Rayonnés faisant suite au Cours élémentaire de Paléontologie*, 3 volumes, the entry so made to bear the endorsement that the names introduced in this work are not to be treated as *nomina nuda* (*Opinion* 126) (Title No. 25).

(2) The titles of the under-mentioned works dealt with in the *Opinions* severally specified below are hereby placed on the *Official Index of Rejected and Invalid Works in Zoological Nomenclature* with the Title Numbers specified below :—

- (a) [Humphrey (G.)], 1797, *Museum Calonnianum*, a work rejected for nomenclatorial purposes (*Opinion* 51) (Title No. 34) ;
- (b) Hasselquist (F.), 1757, *Iter Palaestinum* (a work published before the starting point of zoological nomenclature (*Opinion* 57) (Title No. 35) ;
- (c) Hasselquist (F.), 1762, *D. F. Hasselquists . . . Reise nach Palästina* (a German translation by T. H. Gadebusch of the *Iter Palaestinum* of 1757), the entry to bear the endorsement that the pre-1758 names reproduced in this edition are not available for nomenclatorial purposes, those names not having been reinforced by adoption or acceptance (*Opinion* 57) (Title No. 36) ;
- (d) Barker (F.D.) & Covery (G.W.), 1911, "A new species of Trematode from the painted Terrapin, *Chrysomys marginata* Agassiz", the entry to be made to bear the endorsement that this paper, as issued as a preprint, is not available for nomenclatorial purposes and did not acquire availability for such purposes until duly published as No. 103 of *Studies from the Zoological Laboratory, The University of Nebraska* (*Opinion* 59) (Title No. 37) ;

- (e) Herrera (A.L.), 1901—1904, “Nouvelle Nomenclature des Etres organisés et des Minéraux”, Mexico City, 88 pp., the entry to be made to bear the endorsement that the designations for animals used in this paper are formulae and not names and accordingly possess no status in zoological nomenclature (issued in instalments with the *Memorias* of the Sociedad Científica “Antonio Alzate”) (*Opinion* 72) (Title No. 38);
- (f) Commerson 1803, footnotes in Lacépède (B.G.E. de La V.), *Histoire naturelle des Poissons*, suppressed for nomenclatorial purposes under the Plenary Powers (*Opinion* 89) (Title No. 39);
- (g) [? Muller (P.L.S.) of Erlangen], 1775—1781, *Neuer Schauplatz der Natur, nach den richtigsten Beobachtungen und Versuchen, in alphabetischer Ordnung; Durch eine Gesellschaft der Gelehrten*, 10 volumes, suppressed for nomenclatorial purposes under the Plenary Powers (*Opinion* 89) (Title No. 40);
- (h) Browne (P.), 1789, *Civil and Natural History of Jamaica* (2nd ed. of a work published in 1756, i.e., before the starting point of zoological nomenclature), suppressed for nomenclatorial purposes under the Plenary Powers (*Opinion* 89) (Title No. 41);
- (i) Valmont de Bomare (J.C.), 1764, *Dictionnaire Raisonné Universelle d’Histoire Naturelle*, also the editions published in 1768, 1775 and 1791, suppressed for nomenclatorial purposes under the Plenary Powers (*Opinion* 89) (Title No. 42);
- (j) Danilewsky (B.), 1891, “Contribution a l’étude de la microbiose malarique” in *Annales de l’Institut Pasteur* 5(12) : 758—782, the entry to be made to bear the endorsement that names in this

paper are to be rejected for nomenclatorial purposes as not being in harmony with the *Règles* (*Opinion* 101) (Title No. 43);

(k) Dybowski (B.), 1926, "Synoptisches Verzeichnis mit kurzer Besprechung der Gattungen und Arten dieser Abteilung der Baikalflohkrebse" published in *Bull. int. Acad. pol. Sci. Lettr.* (Cl. Sci. math. nat.) (B) 1926 : 1—77, suppressed for nomenclatorial purposes under the Plenary Powers (*Opinion* 105) (Title No. 44);

(l) Gmelin (P.F.), 1758—1777, *Onomatologia medica completa seu Onomatologia Historiae naturalis*, 7 volumes, suppressed for nomenclatorial purposes under the Plenary Powers (*Opinion* 123) (Title No. 45);

(m) Sobolew (J.), 1914, "Skizzen zur Phylogenie der Goniatiten" *Izvjestija Varshavskago Politekhničeskago Instituta* 1914, Fasc. 1<sup>1</sup>, the entry to be made to bear the endorsement that the designations for animals used in this paper are formulae and not names and accordingly possess no status in zoological nomenclature (*Opinion* 132) (Title No. 46);

(n) Sobolew (J.), 1914, "Ueber Clymenien und Goniatiten", a paper published in *Pal. Z.* 1 : 348, in which Sobolew employed the same designations as those rejected in (m) above, the entry to be made in the present case to bear the same endorsement as that prescribed above for his earlier paper (*Opinion* 132) (Title No. 47).

(3) The under-mentioned generic names are hereby placed on the *Official Index of Rejected and Invalid*

<sup>1</sup> Full particulars of the method adopted in publishing this paper are given in paragraph 2 of the present *Direction*.

*Generic Names in Zoology* with the Name Numbers severally specified below :—

- (a) *Monedula* Nozeman & Vosmaer, 1758 (a name published in a work rejected for nomenclatorial purposes under *Opinion* 241) (Name No. 447) ;
- (b) *Monedula* Hasselquist, 1762 (a name published in a work rejected for nomenclatorial purposes under the Ruling given in *Opinion* 57) (Name No. 448) ;
- (c) *Monedula* Brehm, 1828 (a name rejected as a *nomen nudum* under the Ruling given in *Opinion* 48 but which, even if it had been published with an “indication” by Brehm in 1828, would nevertheless have been invalid as a junior homonym of *Monedula* Latreille, [1802—1803] (Class Insecta, Order Hymenoptera) (Name No. 449) ;
- (d) *Monedula* Kaup, 1829 (a junior homonym of *Monedula* Latreille, [1802—1803]) (Name No. 450) ;
- (e) *Monedula* Brehm, 1831 (a junior homonym of *Monedula* Latreille, [1802—1803], and a junior objective synonym of *Monedula* Kaup, 1829) (Name No. 451).

#### I.—THE SUBJECT MATTER OF THE PRESENT “DIRECTION”

The present *Direction* is concerned with the codification of Rulings in regard to the status of individual zoological books and papers given by the International Commission on Zoological Nomenclature in *Opinions* rendered up to the end of 1936. Under a General Directive issued by the Thirteenth International Congress of Zoology, Paris, 1948, the Commission



was instructed to prepare lists of decisions taken by it on this and other subjects, so that the lists so prepared might be annexed as Schedules to the revised text of the *Règles* when promulgated. So far as concerns the titles of books and papers dealt with by the Commission in the period referred to above, the form of the Directive issued to the Commission by the Paris Congress was modified in 1953 by the Fourteenth International Congress of Zoology, Copenhagen, when it decided that the list of valid and invalid books prescribed by the previous Congress should be compiled in two sections ; the first, which was to be concerned with works accepted as available for zoological nomenclature, was to take the form of an *Official List*, while the second, which was to be concerned with rejected and invalid works, was to take the form of an *Official Index*. The following paper submitted by the Secretary on 1st September 1955 formed the basis upon which the Ruling given in the present *Direction* was adopted :—

**Proposed addition to the “ Official List ” or, as the case may be, the “ Official Index ” of the titles of books and papers dealt with by the International Commission in “ Opinions ” rendered in the period up to the end of 1936, and matters incidental thereto**

By FRANCIS HEMMING, C.M.G., C.B.E.,

*Secretary to the International Commission on Zoological Nomenclature*

I attach for the consideration of the International Commission a statement in which I have enumerated all the *Opinions* rendered in the period up to the end of 1936 in which it gave Rulings regarding the status of individual books and papers, in order that thereby the Commission may have before it the material needed to enable it to comply with the Directive issued to it by the International Congress of Zoology that the titles of all such books or papers be entered either on the *Official List of Works Approved as Available for Zoological Nomenclature* or on the *Official Index of Rejected and Invalid Works in Zoological Nomenclature*. The reason why the list now submitted stops short at the end of 1936 is that the foregoing Directive has already been complied with by the Commission as respects all Rulings in regard to the status of individual books and papers given by it since that date.

2. Recommendations designed to secure compliance with the foregoing Directive are now submitted in the case of all except five of

the *Opinions* concerned, namely *Opinions* 21, 28, 38, 87 and 96, which are omitted from the present paper for the reasons set out in the Annexe.

3. It is accordingly recommended that, in order to dispose of this portion of the Commission's obligations under the Directives issued to it by the International Congress of Zoology in relation to the completion of Rulings given in previously published *Opinions*, approval should now be given to the recommendations for the addition to the appropriate *Official Lists* and *Official Indexes* of the titles of books and papers and of individual names specified in the Annexe to the present paper.

#### ANNEXE

#### Particulars of "Opinions" relating to the titles of books and papers rendered by the International Commission on Zoological Nomenclature in the period up to the end of 1936

OPINION 11 : In *Opinion* 11 the Commission gave a Ruling as to the method to be followed in interpreting Latreille, 1810, *Considerations générales sur l'Ordre naturel des Animaux composant les classes des Crustacés, des Arachnides et des Insectes*. Later, the Ruling so given was clarified in *Opinion* 136. The title of this work has been placed on the *Official List* by the Ruling given in *Direction* 4.

OPINION 13 : In *Opinion* 13 the Commission gave a Ruling by which it rejected for nomenclatorial purposes the edition by George Edwards of Mark Catesby's *Natural History of Carolina* published in 1771. This decision was repeated in *Opinion* 89 under the Plenary Powers except that on this occasion an exception was granted in favour of the Linnean concordance at the end of the volume. By *Opinion* 259, in which *Opinion* 13 was cancelled and a revised Ruling given in its place, the title of the Edwards edition of Catesby, exclusive of the *Concordance*, was placed on the *Official Index*, the *Concordance* being at the same time placed on the *Official List*.

OPINION 17 : In this *Opinion* the Commission accepted Weber's *Nomenclator entomologicus Fabricii* of 1795 as an available work. The title of this work should now be placed on the *Official List*.

OPINION 20 : In this *Opinion* the Commission accepted Gronovius' *Zoophylacium Gronovianum*, 1763—1781, as an available work on the ground that in it Gronovius had adopted a "binary", though not a binominal, system of nomenclature. This decision was invalidated by the action of the Paris (1948) Congress when it ruled that, in order to satisfy the requirements of Proviso (b) to Article 25, an author

must in any given work have applied the principles of binominal nomenclature. The title of this work by Gronovius was placed on the *Official Index* by the Ruling given in *Opinion 261*.

OPINION 21 : In this *Opinion* the Commission gave a Ruling that in his re-issue of Klein's pre-1758 work on fishes published in 1792 Walbaum did not confer availability, by adoption or acceptance, on the names reprinted in it, as required by the Ruling previously given in *Opinion 5*. This is a poorly prepared *Opinion*, for it does not state the title of the work by Walbaum concerned. It may, however, be inferred from the date "1792" cited in the Ruling that the volume in question was the "Petri Artedi Sueci Genera Piscium . . . Ichthyologiae Pars III Emendata" which bears the above date. This volume is, however, only the third of five volumes by Walbaum published with slightly varying titles (all of which contain an attribution to Artedi) which were published in the six-year period 1788—1793, and in which a very similar style of nomenclature is employed. At the early date at which this *Opinion* was adopted it was not the practice of the Commission to give a comprehensive Ruling when (as here) a decision was asked on what was in fact only a part of a larger subject. Now, however, that the International Congress has established an *Official Index* for recording the titles of works which are not available for zoological nomenclature, it would clearly be undesirable—because both illogical and confusing—to place on the *Official Index* the title of a single volume which does not stand by itself as an independent work but which is in fact, if not in actual name, only one volume of a larger work consisting of five volumes. I am in communication with interested specialists with a view to preparing a comprehensive recommendation in regard to this case (File Z.N.(S.) 847). In the meanwhile I recommend that no attempt should be made to codify the unsatisfactory and inadequate Ruling given in *Opinion 21*.

OPINION 28 : In this *Opinion* the Commission ruled that Meigen's *Nouvelle Classification des Mouches à deux Ailes* of 1800 was an available work and therefore that, where Meigen published different names for the same taxon (a) in the foregoing work and (b) in his "Versuch" of 1803 (i.e. in the paper by Meigen entitled "Versuch einer neuen Gattungseintheilung der europäischen zweiflügligen Insekten" published in volume 2 (: 259—281) of Illiger's *Magazin f. Insektenk.*), the name published in the *Nouvelle Classification* was to take precedence. Since the Commission has before it at the present time an application for the suppression of Meigen's *Nouvelle Classification* under the Plenary Powers (Sabrosky, 1952, *Bull. zool. Nomencl.* 6 : 131—141), no action is called for on this matter on the present occasion.

OPINION 37 : In this *Opinion* the Commission ruled that Brisson's *Ornithologia* of 1760 was an available work, in view of the fact that,

although Brisson had not used a binominal, he had used a "binary", system of nomenclature. This Ruling was found to be invalid, when in Paris in 1948 the International Congress of Zoology ruled that, as used in the *Règles*, the expression "nomenclature binaire" had always had the same meaning as that which would have been conveyed if the expression so used had been "nomenclature binominale". At the same time, in the interests of stability, the Commission validated Brisson's *Ornithologia* under its Plenary Powers. This decision has since been embodied in *Direction* 16, in which the title of this work was placed on the *Official List*.

OPINION 38 : In this *Opinion* the Commission gave a qualified acceptance of the names occurring in Tunstall's anonymously-published *Ornithologia britannica* of 1771. In giving this Ruling the Commission expressly recognised that in this work Tunstall employed a "binary" (i.e. non-binominal) system of nomenclature. Thus, under the redefinition of Proviso (b) to Article 25 by the Thirteenth International Congress of Zoology, Paris, 1948, Tunstall's book is not available for nomenclatorial purposes unless it is validated under the Plenary Powers. The question of the action which it is desirable should be taken in this case has been examined separately on the Commission's file Z.N.(S.) 944. Proposals on this subject are being submitted with Voting Paper V.P.(O.M.)(55)23,<sup>2</sup> simultaneously with the submission of the present paper.

OPINION 39 : In this *Opinion* the Commission ruled in favour of the availability of Cuvier's *Leçons d'Anatomie comparée* of 1800, and added that the names given on the tables included in this work were acceptable in so far as they were identifiable through the bibliographical references cited on page xix of the introduction. The title of Cuvier's *Leçons* should now be placed on the *Official List*, together with the foregoing supplementary ruling given in this *Opinion*.

OPINION 48 : The title of this *Opinion* is :—"The Status of Certain Generic Names of Birds Published by Brehm in *Isis* in 1828 and 1830". It contains a discussion of the status of generic and specific names published by Brehm in 1818 and 1830, which is compared with the status of the same names as published by the same author in 1831. Neither of the titles of, nor adequate bibliographical data for, the papers or books discussed are given in this *Opinion*. An inspection of the literature shows, however, that the references to 1828 and 1830 are to a paper by Brehm (C.L.) published in the serial *Isis* (Oken) in two instalments, the first, on pages 1268—1285 of the 1828 volume, the second, on pages 985—1013 in the 1830 volume. The first of these instalments bore the title "Uebersicht der Deutschen Vogelarten", the second, the title "Beschluss der Uebersicht der Deutschen Vögel",

<sup>2</sup> For the Ruling since given in this matter, see *Direction* 38 (in the press).

to which were added the words "Fortsetzung von B[rehm] XXI 1268 bis 1285". The reference to Brehm, 1831, is, no doubt, to that author's *Handb. Naturg. Vögel Deutschl.* The Commission ruled that: "In so far as the names in question are dependent solely upon a vernacular name, the generic names of Brehm, 1828 and 1830, are *nomina nuda*, and are not entitled to citation from the dates in question". A large part of the body of the *Opinion* is devoted to a discussion of the generic name *Monedula* Brehm published in 1828 on page 1273 of the first of the two instalments of the *Isis* paper. This name was rejected under the Ruling given in this *Opinion*, though it was accepted as having been validly published in Brehm's *Handbuch* (: 172) of 1831. The latter name was, however, a junior objective synonym of *Monedula* Kaup, 1829 (*Skizz. Entwickel. Gesch. u. natürl. Syst. europ. Thierwelt* 1 : 193). It was pointed out also that the name *Monedula* had first been published in 1762 by Hasselquist but that the status of the work in which it was so published (*Iter Palaestinum* : 294) was at that time doubtful. (As shown below this work was later rejected by the Commission in its *Opinion* 57.) The discussion failed, however, to note that the generic name *Monedula* had been validly published for a genus of insects (Order Hymenoptera) by Latreille [1802—1803] (*in* Sonnini's Buffon, *Hist. nat. gén. partic. Crust. Ins.* 3 : 345) and therefore that the later usages of Brehm and Kaup were in any case invalid. The title of Brehm's *Isis* paper, with a note setting out the Ruling given in this *Opinion* should now be placed on the *Official List*, together with the title of Brehm's *Handbuch* of 1831. At the same time the various invalid usages of the generic name *Monedula* discussed above, together with the name *Monedula* Nozeman & Vosmaer (*ex* Moehring), 1758, published in those authors' *Geslach. Vogel.* (: 1, 16), a work which has been rejected by the Commission for nomenclatorial purposes (*Opinion* 241), should now be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*.

OPINION 51 : In this *Opinion* the Commission ruled that the anonymous work prepared by George Humphrey and issued in 1797 under the title *Museum Calonnianum* is not available for the purposes of zoological nomenclature. The title of this work should therefore be placed on the *Official Index*.

OPINION 57 : In this *Opinion* the Commission ruled (a) that, although in Hasselquist's *Iter Palaestinum* published in 1757 the nomenclature used was edited by Linnaeus, this work was not available since it was published before the starting point of zoological nomenclature (1758), and (b) that the German translation of this work by Gadebusch published in 1762 did not give availability to the names published in the original edition of 1757. Both the original edition and the translation of 1762 should now be entered on the *Official Index*.

OPINION 59 : In this *Opinion* the Commission ruled against the availability of the preprint of a paper on Trematodes by Barker (F.D.) and Covey (G.W.) entitled "A new species of Trematode from the painted Terrapin, *Chrysemys marginata* Agassiz" issued in advance of the publication of that paper in 1911 as No. 103 of the *Studies from the Zoological Laboratory, The University of Nebraska*. This preprint should be entered on the *Official Index*.

OPINION 71 : In this *Opinion* the Commission ruled that the species cited as "typical species" by Westwood, 1840, *An Introduction to the Modern Classification of Insects*, vol. 2, *Synopsis* (separately paged as pp. 1—158) are to be treated as having been selected as the type species of the genera concerned by Westwood under Rule (g) in Article 30. The title of Westwood's *Introduction* with the foregoing note regarding the interpretation of the entries in the *Synopsis* annexed to volume 2, should now be entered on the *Official List*.

OPINION 72 : In this *Opinion* the Commission ruled that the designations for animals published by Herrera were formulae and not names and accordingly possessed no status in zoological nomenclature. This *Opinion* contained no particulars as to the title of the paper by Herrera under consideration or as to the date on which it was published, though in the brief application included in the *Opinion* the date of publication was given as "1900". An examination of the literature shows that the paper referred to is one by Herrera (A.L.) entitled "Nouvelle Nomenclature des Êtres organisés et des minéraux" which was published in the period 1901—1904 by the Sociedad Científica "Antonio Alzate" of Mexico City. It was published in instalments which were issued with the *Memorias* of the above Society. It consists of 88 pages (pp. 1—88). The paper is divided into two sections, the first containing a list of the abbreviations adopted, the second, a list of the genera proposed for animals and plants. The title of the foregoing paper should now be placed on the *Official Index* together with a note setting out the Ruling given in this *Opinion*.

OPINION 79 : In this *Opinion* the Commission ruled that in the *Système des Animaux sans Vertèbres* published in 1801 Lamarck did not select type species for the genera discussed in that work. The title of this book, with a note to the foregoing effect, should be entered in the *Official List*.

OPINION 87 : In this *Opinion* the Commission rejected as not having been duly "published" a paper by Binney (W.G.) entitled "Synopsis of the species of Air-breathing Mollusks of North America" which had been printed for issue as a Part of the *Smithsonian Miscellaneous Collections* and which was distributed as an unnumbered proof to a number of persons in 1863. The title of this paper should clearly

be placed on the *Official Index of Rejected and Invalid Works in Zoological Nomenclature*. A proposal to this end has already been submitted to the Commission (Hemming, 1954, *Bull. zool. Nomencl.* 9 : 327, para. 4(1)) and accordingly no action in this matter is called for on the present occasion.

OPINION 89 : In this *Opinion* the Commission suppressed six books or papers under the Plenary Powers. Of these, the titles of two have already been entered on the *Official Index*, namely :—(a) Gronovius, 1763, *Zoophylacium Gronovianum*, by the Ruling given in *Opinion* 261 (see note above on *Opinion* 20); (b) the George Edwards edition (1771) of Mark Catesby's *Natural History of Carolina*, by the Ruling given in *Opinion* 259 (see note above under *Opinion* 13). The four other items suppressed by the Commission under *Opinion* 89 are : (1) Commerson, 1803, footnotes in Lacépède, *Histoire Naturelle des Poissons*; (2) [anon.], 1775—1781, *Neuer Schauplatz der Natur, nach den richtigsten Beobachtungen und Versuchen, in alphabetischer Ordnung; Durch eine Gesellschaft der Gelehrten*, 10 vols. (an anonymously compiled dictionary doubtfully attributable to P. L. S. Müller, Professor of Erlangen); (3) Browne (P.), 1789, *Civil and Natural History of Jamaica*, 2nd Edition of this pre-1758 work; (4) Valmont de Bomare, *Dictionnaire Raisonné Universelle d'Histoire Naturelle*, all four editions published respectively in 1764, 1768, 1775 and 1791. (Note : The application submitted to, and approved by, the Commission was that all the four editions of Valmont de Bomare's *Dictionnaire* should be suppressed, but by some oversight reference was made in the so-called "summary" of this *Opinion* only to the first three.) The titles of the works enumerated above should now be placed on the *Official Index*.

OPINION 96 : In this *Opinion* the Commission ruled in favour of the availability of the anonymous work entitled *Museum Boltenianum* published in 1798. New names published in this work have been attributed by some authors to Bolten, of whose collection this book is a catalogue, and by others to Röding, by whom this book was prepared for publication. The Commission now has before it an application for a Ruling as to which of these authors should be treated as the author of this book (Hemming, 1955, *Bull. zool. Nomencl.* 11 : 56—57). That application contains a request for the title of this book to be placed on the *Official List*. In consequence, no action in regard to this case is required on the present occasion.

OPINION 97 : In this *Opinion* the Commission ruled against the availability of the leaflet entitled *Tentamen Determinationis Digestionis atque Denominationis singularium Stirpium Lepidopterorum* by Jacob Hübner, which is undated but is believed to have been distributed in 1806. The somewhat ambiguous nature of the Ruling so given was clarified by the Commission at Paris in 1948. The revised Ruling so

adopted has since been embodied in *Opinion* 278, in which also the title of this leaflet was placed on the *Official Index*.

OPINION 98 : In this *Opinion* the Commission gave a ruling that in the under-mentioned work the authors did not select type species for previously established nominal genera except where they expressly stated as regards any given species that it was "the type of the genus" concerned : Brauer & Bergenstamm, 1889—1894, "Die Zweiflügler des kaiserlichen Museums zu Wien. IV—VII. Vorarbeiten zu einer Monographie der Muscaria schizometopa (exclusive Anthomyidae)", 4 pts., 494 pp., published in *Denkschriften der kaiserlichen Akademie der Wissenschaften Wien*. The title of this work, together with the foregoing note, should now be entered on the *Official List*.

OPINION 101 : In this *Opinion* the Commission ruled against the availability for the purposes of zoological nomenclature of the terms used by Danilewsky in a paper entitled "Contribution a l'étude de la microbiose malarique" published in 1891, *Annales de l'Institut Pasteur* 5(12) : 758—782. The title of the paper should now be placed on the *Official Index*, together with a note in the foregoing sense.

OPINION 105 : In this *Opinion* the Commission used its Plenary Powers to suppress names given to genera and species of Crustacea by Dybowski (B.) in a paper entitled "Synoptisches Verzeichnis mit kurzer Besprechung der Gattungen und Arten dieser Abteilung der Baikalflohkrebse" published in 1926 in the *Bull. int. Acad. pol. Sci. Lettr.* (Cl. Sci. math. nat.) (B) 1926 : 1—77. The title of this paper should be entered on the *Official Index*.

OPINION 123 : In this *Opinion* the Commission used its Plenary Powers to suppress the under-mentioned work for the purposes of zoological nomenclature—Gmelin (P.F.), 1758—1777, *Onomatologia medica completa seu Onomatologia Historiae naturalis*, 7 vols. The title of this work should now be placed on the *Official Index*.

OPINION 124 : In this *Opinion* the Commission ruled against the availability as subgeneric names of the terms placed by Linnaeus between generic and specific names in certain instances in the 10th edition of the *Systema Naturae*. By *Opinion* 279 this Ruling was extended to all the works of Linnaeus and an appropriate entry was made in the *Official List* and the *Official Index* respectively.

OPINION 126 : In this *Opinion* the Commission ruled in favour of the new names published in the under-mentioned work, for this purpose rejecting an application that these names should be treated as *nomina nuda* :—d'Orbigny (A.D.), 1849—1852, *Prodrome de Paléontologie stratigraphique universelle des Animaux Mollusques et Rayonnés faisant suite au Cours élémentaire de Paléontologie*, 3 vols.



(In this case the Commission cited the date "1850" for the whole work, but this is clearly due, not to a considered opinion, but to this question not having been investigated at first hand. The first volume was published in 1849, the third in 1852; there was, however, another issue of vol. 1, which was dated "1850" (see 1910, *Cat. Library Brit. Mus. (Nat. Hist.)* (3) : 1475.) The title of this work should be entered on the *Official List*.

OPINION 132 : In this *Opinion* the Commission ruled against the availability for the purposes of zoological nomenclature of the new terms introduced by Sobolew (D.) in a paper entitled "Skizzen zur Phylogenie der Goniatischen" published in 1914 in the *Mitteilungen der warschauer polytechnischen Institut, Warsaw*. The title of this paper should now be placed on the *Official Index* with a note of the decision taken by the Commission. The same terms were published by Sobolew in the same year in another paper entitled "Ueber Clymenien und Goniatischen" (*Pal. Z.* 1 : 348), and the title of this paper also should now be placed on the *Official Index*.

**2. Method of publication in 1914 of Sobolew's paper "Skizzen zur Phylogenie der Goniatischen" :** At the time of the preparation of the paper reproduced in the preceding paragraph it had been found impossible to trace full bibliographical particulars regarding the publication in 1914 of Sobolew's paper "Skizzen zur Phylogenie der Goniatischen", a matter which had not been dealt with in the Commission's *Opinion* 132. Mr. Hemming took the view that the lack of information on the foregoing matter offered no obstacle to the submission of the above paper to the Commission, though it was clearly necessary that the missing information should be obtained before the time came to prepare the *Direction* embodying the Commission's decision in this case. Accordingly, he submitted the paper reproduced in paragraph 1 above to the Commission without the information referred to (paragraph 4 below) but at the same time applied for information to Professor Dr. Tadeusz Jaczewski, the Polish Member of the Commission, who was particularly well placed for clearing up this matter in view of the fact that Sobolew's paper had been published in Warsaw. From the ensuing correspondence it appeared that the serial in which the above paper had appeared was one of great rarity even in the country where it had been published. Ultimately, however, Professor Jaczewski was able to report that at the period in question the parts in which the serial concerned was issued were commonly

given independent pagination, that this course had been followed in the case of Sobolew's paper and therefore that the pagination shown in so-called separata of this paper was the same as that employed at the time of the original publication of the paper in question. The position is fully explained in the following extracts from letters addressed to the Secretary by Professor Jaczewski :—

(a) *Extract from a letter from Professor Tadeusz Jaczewski dated 22nd September 1955*

The paper of D. Sobolew entitled "Skizzen zur Phylogenie der Goniatiten", although published in Warszawa in 1913 or 1914, proved to be an extreme bibliographical rarity even here. I succeeded only a few days ago in getting a separate copy of the paper in question, but it was impossible to find the corresponding fascicle of the journal. I am not sure therefore whether the numeration of the pages was the same in the separate copy as in the whole volume of the journal.

The full bibliographical reference of this paper, based on the separate copy, is as follows :—

D. Sobolev. Nabroski po filogenii Goniatitov.<sup>3</sup>

D. Sobolew. Skizzen zur Phylogenie der Goniatiten.

On the cover of the reprint the name of the author and the title of the paper are printed both in Russian and in German, on the title-page (which is p. 1 of the reprint) in Russian only. In the text the title of the paper, but not the name of the author, appears in German only on p. 131 which is the first page of the extensive German summary. On the cover the place and year of publication are given (in Cyrillic type) : Varshava, 1914 ; on the title-page Varshava, 1913.

On the verso of the cover is printed in Russian : "Reprinted from *Izvestija Varshavskago Politekhnikeskago Instituta*, 1914, fasc. 1". The title of the journal means "Bulletin of the Warsaw Polytechnical Institute". I was able to see several fascicles of the journal, although not the one with the paper in question, and I could verify that they have only the Russian title given above.

The number of pages of the reprint is as follows : pp. 1—193+18 pp. not numbered (explanation of plates), 131 text fig., pl. I—IX (photographs), 3 phylogenetic tables (one in colour) ; pp. 1—130

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<sup>3</sup> The name and title here quoted by Professor Jaczewski was given in his letter also in Cyrillic characters, together with the above transliteration.

form the Russian text of the paper, pp. 131—162 the summary in German, pp. 163—193 list of literature, indices and table of contents.

I shall write you immediately if I manage to get some additional particulars about the journal in question . . .

(b) *Extract from a letter from Professor Tadeusz Jaczewski dated 15th October 1955*

In addition to the information given in my letter of September 22nd, 1955, I managed to ascertain that the paper of D. Sobolew, "Skizzen zur Phylogenie der Goniatiten", was never issued with a numeration of pages corresponding to the whole volume of the journal *Izvestija Varshavskago Politekhničeskago Instituta*. Every paper was published in this journal, at least in those years, with its separate pagination. The bibliographical data given in my previous letter are thus all that is available . . .

**3. Registration of the present application :** Upon the receipt of Mr. Hemming's application, the question of placing upon the *Official List of Works Approved as Available for Zoological Nomenclature* the titles of works accepted by the Commission in *Opinions* adopted in the period up to the end of 1936 and of placing upon the corresponding *Official Index* the titles of works rejected in *Opinions* adopted in the same period was allotted the Registered Number Z.N.(S.) 945.

## II.—THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**4. Issue of Voting Paper V.P.(O.M.)(55)22 :** On 1st September 1955 a Voting Paper (V.P.(O.M.)(55)(22) was issued in which each Member of the Commission was asked (1) to state whether he agreed that, "in conformity with the General Directive relating to the recording on the various *Official Lists* and *Official Indexes* of decisions in regard to particular names and particular books issued to the International Commission by the Thirteenth International Congress of Zoology, Paris, 1948, and with the General Directive supplementary thereto issued to the Commission by the Fourteenth International Congress of Zoology,

Copenhagen, 1953, the entries on *Official Lists* and *Official Indexes* recommended in paragraph 3 of the paper numbered Z.N.(S.) 945 submitted by the Secretary simultaneously with the present Voting Paper [i.e. in paragraph 3 of the application reproduced in the first paragraph of the present *Direction*] and specified in detail in the Annexe to the foregoing paper, should be approved", and (2), if he did not so agree as regards any given item, to indicate the item concerned.

**5. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 1st October 1955.

**6. Particulars of the Voting on Voting Paper V.P.(O.M.)(55)22 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(55)22 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-five (25) Commissioners (arranged in the order in which Votes were received) :*

Bodenheimer (except item relating to *Opinion 57*)<sup>4</sup> ;  
 Holthuis ; Lemche ; Hering ; Riley ; Mayr ; Vokes ;  
 Miller ; Prantl ; Key ; Esaki ; Bradley (J.C.) ;  
 Cabrera ; Stoll ; do Amaral ; Boschma ; Kühnelt ;  
 Hemming ; Dymond ; Sylvester-Bradley ; Tortonese ;  
 Jaczewski ; Mertens ; Bonnet ; Hankó ;

(b) *Negative Votes, one (1) as respects one only of the included items :*

Bodenheimer (item relating to *Opinion 57* only)<sup>4</sup> ;

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<sup>4</sup> In returning his Voting Paper Commissioner Bodenheimer indicated that he strongly dissented from the Ruling given in *Opinion 57* in which the Commission (in 1914) had rejected Hasselquist's *Iter Palaestinum* for nomenclatorial purposes, that he would have been glad to see that *Opinion* reversed but that, if this were judged to be impracticable, it was his intention to submit a proposal to the Commission for the validation under the Plenary Powers of at least one important specific name published in the above work which was in current use.

(c) *Voting Papers not returned* :

None.

**7. Declaration of Result of Vote :** On 4th October 1955, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P. (O.M.)(55)22, signed a Certificate that the Votes cast were as set out in paragraph 6 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**8. Preparation of the Ruling given in the present " Direction " :** On 26th November 1955, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(55)22.

**9. Original References :** Full bibliographical references for the works placed on the *Official List* and *Official Index* respectively by the Ruling given in the present *Direction* are cited in the relevant portions of that Ruling.

**10.** The following are the original references for the names placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* by the Ruling given in the present *Direction* :—

*Monedula* Nozeman & Vosmaer, 1758, *Geslacht. Vogel.* : 1, 16  
(Dutch translation of Moehring's *Avium Genera* published in 1752)

*Monedula* Hasselquist, 1762, *D. F. Hasselquists . . . Reise nach Palästina* : 294 (German translation of the work by Hasselquist entitled *Iter Palaestinum* published in 1757)

*Monedula* Brehm, 1828, *Isis* (Oken) **1828** : 1273

*Monedula* Kaup, 1829, *Skizz. Entwickel. Gesch. u. naturl. Syst. europ. Thierwelt* **1** : 193

*Monedula* Brehm, 1831, *Handb. Naturgesch. Vögel Deutschl.* : 172

**11. Family-Group Names :** No problems relating to family-group names arise in connection with the Ruling given in the present *Direction*.

**12.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

**13.** The present *Direction* shall be known as *Direction* Thirty-Two (32) of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Sixth day of November, Nineteen Hundred and Fifty-Five.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**